

ABSTRACT OF THE INVENTION

A system and method for method for measuring the vertical level of fluid in a container is provided. According to one aspect of the invention, a method for measuring the vertical level of fluid in a container includes moving air downward along the inside of a bubble tube at an angle of about 5 degrees to about 85 degrees from vertical into the fluid. According to another aspect, the method includes injecting a mixture of air and steam into fluid in a container via a bubble tube. Aspects of the present invention further provide a differential pressure bubbler system that includes a bubble tube mounted to a tank at an angle of about 5 degrees to 90 degrees. Aspects additionally provide a bubble tube having a diameter of about 1 inch to about 6 inches. Further aspects include a bubble tube having pressurized air and steam inputs.